

Name: _____

Construction Equipment Operator

Directions:

Evaluate the student by entering the appropriate number to indicate the degree of competency achieved.

Rating Scale (0-6):

- 0 No Exposure** – no experience/knowledge in this area; program/course did not provide instruction in this area
- 1 Unsuccessful Attempt** – unable to meet knowledge or performance criteria and/or required significant assistance
- 2 Partial Demonstration** – met some of the knowledge or performance criteria with or without minor assistance
- 3 Knowledge Demonstrated** – met knowledge criteria without assistance at least once
- 4 Performance Demonstrated** – met performance criteria without assistance at least once
- 5 Repeated Demonstration** – met performance and/or knowledge criteria without assistance on multiple occasions
- 6 Mastered** – successfully applied knowledge or skills in this area to solve related problems independently

0	1	2	3	4	5	6	A. Operate backhoe to manipulate materials	Notes:
							1. Achieve minimum backhoe knowledge test score of 80%.	
							2. Performs before, during, and after operational checks and services.	
							3. Smooth an area with loader bucket.	
							4. Move a stockpile with loader bucket.	
							5. Setup a machine for digging.	
							6. Operate a machine to move forward and backwards with hoe.	
							7. Dig a straight ditch on a grade maximum variance for grade _ ft. maximum variance for straight line _ ft.	
							8. Backfill and compact (wheel roll) a ditch.	
							9. Hoist material with front loader.	
							10. Remove and replace the backhoe bucket.	
							11. Tie two ditches together.	
							12. Dig under and around a buried steel pipe.	
							13. Demonstrate safe operation of backhoe.	
							Other:	

0	1	2	3	4	5	6	B. Operate excavator to manipulate materials	Notes:
							1. Achieve minimum excavator knowledge test score of 80%.	
							2. Load a dump truck.	
							3. Dig a straight flat bottom ditch to grade with a maximum variance of 6".	
							4. Dig under and around a buried steel pipe.	
							5. Backfill and compact a trench.	
							6. Demonstrate safe operation of excavator.	

								Other:	
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0	1	2	3	4	5	6	C. Operate dozer to manipulate materials	Notes:
							1. Achieve minimum dozer knowledge test score of 80%.	
							2. Perform before, during and after operational checks, service and shutdown machine.	
							3. Slot-doze.	
							4. Cut “v” type and flat-bottom ditch.	
							5. Work and finish slopes to specified grade.	
							6. Blend and spread material on a road.	
							7. Use dozer to pull a sheepsfoot roller on fill area.	
							8. Stockpile dirt.	
							9. Level stockpile dirt.	
							10. Bench out slope with a blade edge.	
							11. Perform ripping operation.	
							12. Load in lowboy trailer.	
							13. Demonstrate safe operation of dozer.	
							Other:	

0	1	2	3	4	5	6	D. Operate scraper to manipulate materials	Notes:
							1. Achieve minimum scraper knowledge test score of 80%.	
							2. Perform before, during and after operational checks, service and shutdown machine.	
							3. Cut, load earth, move to fill area, and spread.	
							4. Strip and stockpile dirt.	
							5. Pan the cut and fill area down when required.	
							6. Cut “V” type and flat-bottom ditch.	
							7. Operate scraper using bulldozer as a pusher.	
							8. Cut roadbed and/or building pad to grade.	
							9. Demonstrate safe operation of scraper.	
							Other:	

0	1	2	3	4	5	6	E. Operate front end loader to manipulate materials	Notes:
							1. Achieve minimum scraper knowledge test score of 80%.	

								2.	Performs before, during and after operational checks, service and shutdown machine.	
								3.	Smooth an area.	
								4.	Spread material.	
								5.	Load a dump truck.	
								6.	Level an area to grade.	
								7.	Slot-doze.	
								8.	Excavate a basement to grade.	
								9.	Used 4 in 1 bucket to load cargo.	
								10.	Load a front-end loader on a lowboy trailer.	
								11.	Demonstrate safe operation of front end loader.	
								Other:		

0	1	2	3	4	5	6	F. Operate motorgrader to manipulate materials	Notes:
							1. Achieve minimum scraper knowledge test score of 80%.	
							2. Performs before, during and after operational checks and services.	
							3. Remove snow if applicable.	
							4. Crown a road.	
							5. Blend and spread material on a road.	
							6. Perform v-type ditch construction-3:1 slope.	
							7. Set up a string line from grade stakes.	
							8. Cut to finish grade within tenths.	
							9. Load grader on lowboy trailer.	
							10. Demonstrate safe operation of motorgrader.	
							Other:	

0	1	2	3	4	5	6	G. Operate skidsteer loader to manipulate materials	Notes:
							1. Achieve minimum scraper knowledge test score of 80%.	
							2. Performs before, during and after operational checks and services.	
							3. Smooth an area.	
							4. Move a stockpile.	
							5. Backfill and compact (wheel roll) a ditch.	

								6. Remove and replace the loader bucket.	
								7. Back fill and compact an area.	
								8. Level an area to grade.	
								9. Spread topsoil to a finished grade.	
								10. Load a skid steer on a lowboy trailer.	
								11. Demonstrate safe operation of a skidsteer.	
								Other:	

0	1	2	3	4	5	6	H. Pass D.O.T. approved CDL test	Notes:
							1. Perform pre-trip inspection.	
							2. Perform straight line backing.	
							3. Perform parallel parking on driver/passenger side.	
							4. Perform alley dock.	
							5. Perform coupling operation.	
							6. Perform uncoupling operation.	
							7. Perform equipment tie down.	
							8. Perform vehicle operation.	
							9. Perform shifting.	
							10. Perform clutch operation.	
							11. Identify instrument gauges/panels.	
							12. Perform braking operations.	
							13. Perform emergency braking.	
							14. Demonstrate safe vehicle operation.	
							15. Achieve 70% or better on D.O.T. CDL general knowledge test.	
							16. Achieve 70% or better on D.O.T. CDL airbrakes test.	
							17. Achieve 70% or better on D.O.T. CDL combination vehicles test.	
							Other:	

0	1	2	3	4	5	6	I. Demonstrate leadership skills in the classroom, industry, and society	Notes:
							1. Demonstrate an understanding of Skills USA/VICA, its structure, and activities.	
							2. Demonstrate an understanding of one's personal values.	

								3. Smooth an area.	
								4. Move a stockpile.	
								5. Backfill and compact (wheel roll) a ditch.	
								6. Remove and replace the loader bucket.	
								7. Back fill and compact an area.	
								8. Level an area to grade.	
								9. Spread topsoil to a finished grade.	
								10. Load a skid steer on a lowboy trailer.	
								11. Demonstrate safe operation of a skidsteer.	
								Other:	